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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/985,919	11/06/2001	Sung Chun Choi	K-0341	4570

7590 12/31/2003

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EXAMINER

VO, TUYET THI

ART UNIT	PAPER NUMBER
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2821

DATE MAILED: 12/31/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Applicati n No.

09/985,919

Applicant(s)

CHOI, SUNG CHUN

Examin r

Tuyet Vo

Art Unit

2821

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 10 October 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12 and 15-29 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 12, 15-20 and 22 is/are allowed.
- 6) ☒ Claim(s) 1-11, 21, 23 and 24 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☒ Claim(s) 25-29 are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ 6) ☐ Other: _____

Remarks

Amendment filed October 10, 2003 is not persuasive due to a new ground rejection provided as follows.

Claim Rejections - 35 USC § 112

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claim 8 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 8, line 2-4, recitation of "the widths and locations of the trigger electrodes prevent transition discharges between a trigger electrode and a sustain electrode not adjacent to said trigger electrode" is not clear due to lacking of what is adjacent to said trigger electrode.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1-11, 21, 23 and 24 are rejected under 35 U.S.C. 102(b) as being anticipated by Schemerhorn et al. (US Pat. 6,597,120), hereinafter Schemerhorn.

Schemerhorn discloses a plasma display panel (Figs. 2, 5, 6, 10, 11, 13-26) comprising:
a scan/sustain electrode (52, 63, 64) formed at a peripheral portion of a discharge cell;
a common sustain electrode (52, 63, 64) formed to oppose the scan/sustain electrode at the peripheral portion of the discharge cell;

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a first trigger electrode (24, 65) formed to be adjacent to the scan/sustain electrode (32Y);
a second trigger electrode (24, 66) formed adjacent to the common sustain electrode (32Z); wherein the first and second trigger electrodes (24, 65, 66) formed between the scan/sustain electrode (52, 63, 64) and the common sustain electrode (52, 63, 64);

a gap between the first trigger electrode and the scan/sustain electrode and a gap between the second trigger electrode and the common electrode are smaller than a gap between the first trigger electrode and the second trigger electrode (Figs. 5 and 8), the sustain discharge is generated between the scan/sustain electrode and the common electrode (Figs. 23 and 24), and a trigger discharge is generated between the first trigger electrode and the scan/sustain electrode and a trigger discharge is generated between the second trigger electrode and the common electrode (Figs. 17 and 20); and

wherein each of the scan/sustain electrode and the common electrode is wider than each of the first trigger electrode and the second trigger electrode (Fig. 5).

Allowable Subject Matter

5. Claims 12, 15-20 and 22 are allowed.

6. The following is a statement of reasons for the indication of allowable subject matter: the prior art fails to provide a method for driving PDP comprising steps of supplying sustain pulses to the first trigger electrode having voltage value higher than that of the second trigger electrode while it is lower than the voltage pulse applied to the scan/sustain electrode as required in claim 14 or the first trigger electrode having voltage value lower than that of the second trigger electrode while it is lower than the voltage pulse applied to the common electrode as required in claim 12. The prior art also lacks to establish a first trigger electrode and a second trigger electrode are formed side by side to be outwardly adjacent to the scan/sustain electrode and the common electrode respectively, wherein a gap between the first trigger electrode and the scan/sustain electrode and a gap between the second trigger electrode and the common electrode are smaller than a gap between the scan/sustain electrode and the common electrode as required in claim 22.

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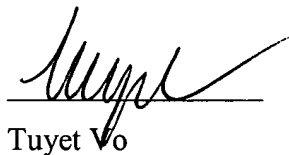
7. New claims 25-29 requested in amendment filed October 10, 2003 has not been considered due to the restriction which the applicant has been noticed by the telephone conversation made approximately by December 16, 2003.

Correspondence

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuyet Vo whose telephone number is 703 306 5497. The examiner can normally be reached on Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong can be reached on 703 308 4856. The fax phone numbers for the organization where this application or proceeding assigned is 703 872 9306 for regular communications and for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703 308 0956.



Tuyet Vo

December 29, 2003